

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant Award		3c. DUNS NUMBER: 052184116			
2. AUTHORITY: 10 USC 2358 and 31 USC 6304, as amended		7. PR NO.: 4720001596			
4. AWARD NO.: N00014-16-1-2301		5. MODIFICATION NO.: P00004	6. MODIFICATION TYPE: IF		
8. ACTIVITY/AGENCY PROPOSAL NO.: GRANT12047378		9. RECIPIENT PROPOSAL NO.:	10. PROPOSAL DATE: 12/03/2015	11. ACTIVITY TYPE: R&D	12. PROGRAM TYPE: ONR
13. ISSUED TO 13a. ADDRESS:	13b. CAGE: 97668	13c. EDI/EFT NUMBER: N/A	14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as Block # 13		
CARNegie MELLON UNIVERSITY 5000 FORBES AVE PITTSBURGH PA 15213-3815 UNITED STATES OF AMERICA					
13d. BUSINESS OFFICE CONTACT: Gregory Smith					
13e. TELEPHONE NUMBER: 4122686157	13f. EMAIL ADDRESS: osp-preaward@andrew.cmu.edu				
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Soft-Matter Sensors and Tactile Skin for Underwater Robot Grippers					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:				\$304,133.00	
OBLIGATED BY THIS ACTION:				\$95,843.00	
TOTAL OBLIGATED ON AWARD:				\$399,976.00	
FUTURE FUNDING:				\$0.00	
GRANT TOTAL:				\$399,976.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 04/11/2016 THROUGH 03/10/2019					
19. ACCOUNTING AND APPROPRIATION DATA: See Attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: Carmel Majidi		21. TECHNICAL REPRESENTATIVE 21a. NAME: THOMAS MCKENNA		21b. CODE: 341	
		21c. ADDRESS: ONR HUMAN & BIOENGINEERED SYSTEMS 875 N. Randolph Street Arlington VA 22203-1995			
20b. TELEPHONE NUMBER: 412-268-2492	20c. EMAIL ADDRESS: cmajidi@andrew.cmu.edu	21d. TELEPHONE NUMBER: 703-696-4503		21e. EMAIL ADDRESS: TOM.MCKENNA@NAVY.MIL	
22. AWARDDING OFFICE CONTACT 22a. NAME: ELIZABETH FORD		22b. CODE: BD255		23a. ADMINISTRATIVE OFFICE: ONR REG Office Chicago Telephone: (312) 886-5423 Email: ONR_Chicago@navy.mil 230 South Dearborn CHICAGO IL 60604-1595	
22c. ADDRESS: Office of Naval Research 875 N. Randolph Street, Suite 1425 Arlington, VA 22203-1995		23b. CODE: N62880			
22d. TELEPHONE NUMBER: 703-696-2576	22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL				
24. SUBMIT PAYMENT REQUEST TO: Same as block 23a		25a. PAYING OFFICE DFAS-CO/NORTH ENTITLEMENT OPERATIONS HQ0337 PO Box 182266 COLUMBUS OH 43128	25b. CODE: HQ0337	26a. PATENT OFFICE: Office of Naval Research ATTN: ONR Office of Counsel Intellectual Property Section One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	26b. CODE: N00014

AWARD NO. N00014-16-1-2301		AWARD/MODIFICATION		MODIFICATION NO. P00004	
27. SPECIAL INSTRUCTIONS: See Special Requirements on Page 5					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
This award provides full delegation to the administrative office in Block 23 of the grant. Full delegation includes the functions described in the DoDGARs at 32 CFR 22.715 and the administrative grants officer functions related to payments described in 32 CFR 22.810.					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT		URL			
<p>The following documents may be found at :</p> <p>http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx</p> <p>DOD RESEARCH AND DEVELOPMENT GENERAL TERMS AND CONDITIONS (OCT 2015)</p> <p>UAWA AWARD A (NOV 2003)</p> <p>STANDARD TERMS/CONDITIONS FOR RESEARCH GRANTS (AGENCY SPECIFIC) (FEB 2015)</p>					
30. OPTIONS	OPTION NO.	AMOUNT	PERIOD		
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The reporting requirements under this award are specified in the articles of part 5 (Financial, Programmatic, and Property Reporting) to the DoD R&D general Terms and Conditions and in the additional language for Part 5 in the ONR Addendum to the DoD R&D General Terms and Conditions.					
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN			33a. SIGNATURE OF AWARING OFFICER Digitally signed by ELIZABETH FORD 1057503684 Dated: 2018.04.13 18:17:20 EST		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER ELIZABETH FORD		33c. DATE SIGNED 04/13/2018

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-16-1-2301			2. SPIIN (CRITICAL)		3. MOD (CRITICAL) P00004			4. PR NUMBER 4720001596									
CLIN/SLIN	6. LINE OF ACCOUNTING													7. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE						
											PROJ UNIT	MCC	PDLI & SUF				
	AC	1781319	W1AE	410	00	014	0	050120	2D	000000	000024	159	869	\$95,843.00			
PAGE TOTAL														\$95,843.00			
GRAND TOTAL														\$95,843.00			
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL:											
DATE:						FOR FISCAL DATA AND SIGNATURE											
						BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED											
DATE:						DATE:											

ONR AWARD FORM (10/99) - version 1.1

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-16-1-2301		2. SPIIN (CRITICAL)		3. MOD (CRITICAL) P00004		4. PR NUMBER 4720001596		
5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION				8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
						PAGE TOTAL		
						GRAND TOTAL		
PREPARED/AUTHORIZED BY:				COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE				
DATE:				BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED				
				DATE:				

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SPECIAL REQUIREMENTS

MODIFICATION NO.
P00004

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